

ABSTRACT OF THE DISCLOSURE

A system for providing remote monitoring of electricity consumption is provided. Briefly described, in one embodiment the system may comprise a plurality of electric meters, a plurality of communication devices having a unique address and defining a wireless communication network, and a site controller. Each of the plurality of electric meters may be configured to measure the electricity consumption of a load attached to the electric meter. Each of the plurality of communication devices may be associated with one of the plurality of electric meters and configured to receive data related to the electricity consumption of the electric meter data and generate a transmit message using a predefined communication protocol being implemented by the wireless communication network. The transmit message may comprise the unique identifier and the data related to the electricity consumption of the electric meter. The site controller may be configured for communication with the wireless communication network and configured to receive the transmit message from one of the plurality of communication devices, identify the electric meter associated with the transmit message, and provide information related to the transmit message to a wide area network for delivery to a host computer.

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